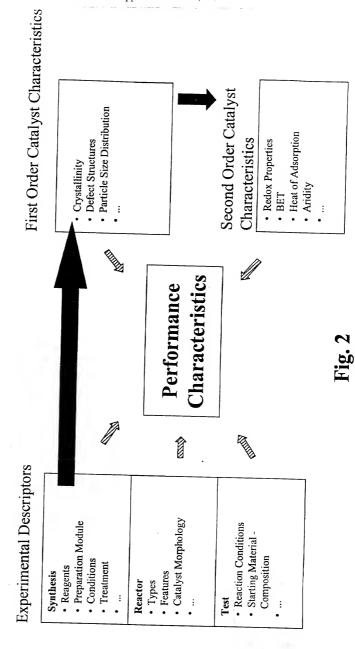
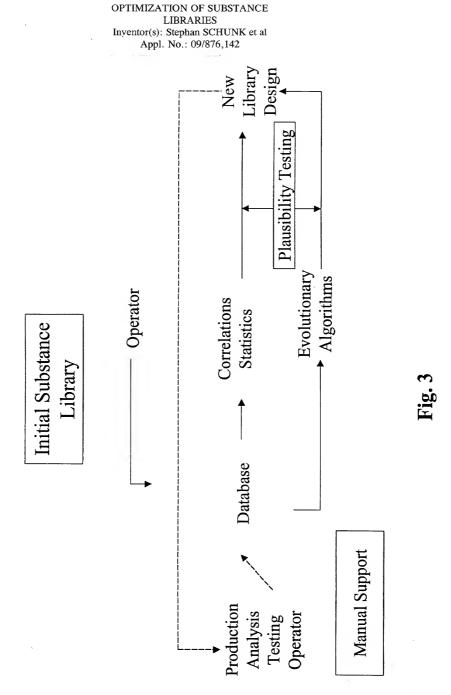


Title: COMPUTER-AIDED OPTIMIZATION OF SUBSTANCE LIBRARIES

Inventor(s): Stephan SCHUNK et al Appl. No.: 09/876,142

Performance Characteristics

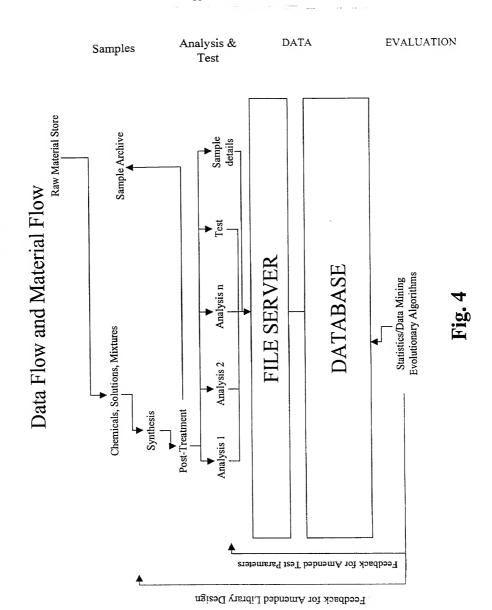




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Original Library Design and Tests Using the Entire Parameter Space

Step 2: Data Acquisition

Step 1: Design of Library, Test and Process Conditions

Feed

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4	‡
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Activity	Selectivity

Reynolds

Precursor Reduction Oxidation Heat Exchange

Fig. 5a

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Regression Analysis, Energies of the Parameter Space

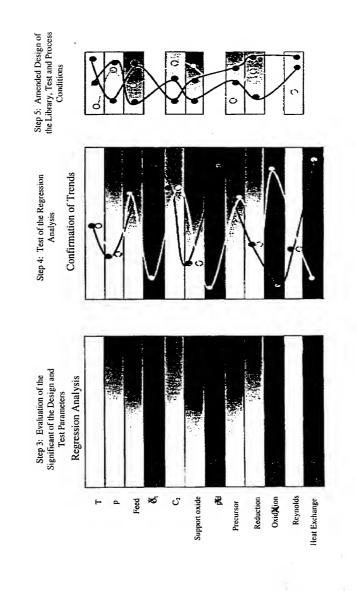
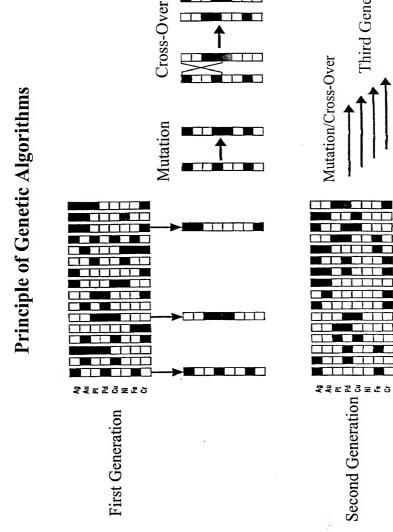


Fig. 5b

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First Generation

Fig. 5c

Third Generation

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Sensitivity Analysis of the Parameters of the Initial Library Pareto Diagram

Pareto Chart of Standardized Effects, Variable: U_NOX 7 factors, 5 Blocks, 96 Runs; MS Residual=128,2875

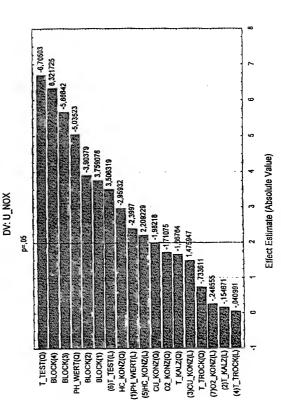


Fig. 6

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Sensitivity Analysis of the Parameters

